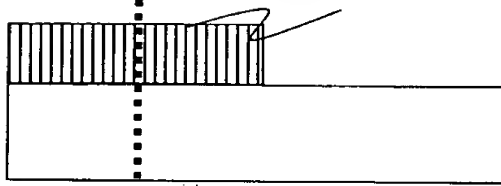


Fig. 8

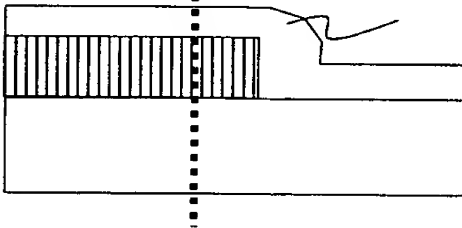
(a)

ABS end portion of an upper magnetic core



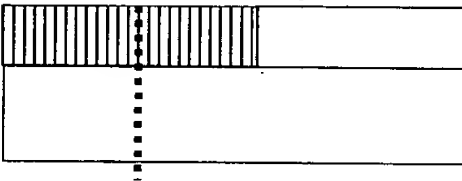
(b)

covering end portion of an upper magnetic core with a protective film (Al_2O_3)



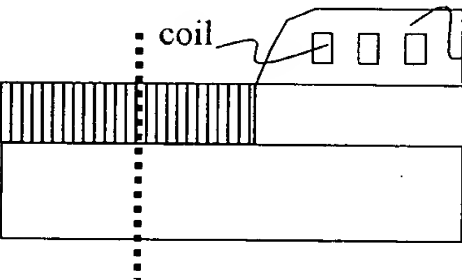
(c)

removing a protective film (polishing such as CMP)



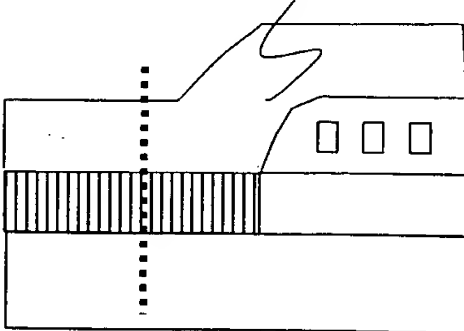
(d)

coil insulating film

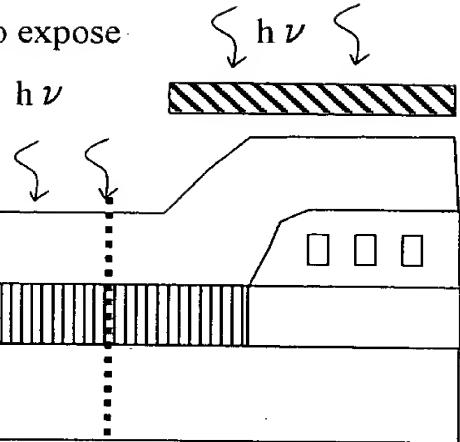


(e)

negative resist

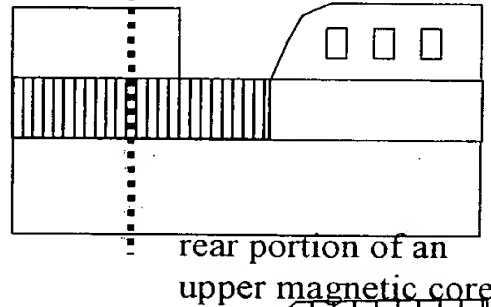


(f) to expose



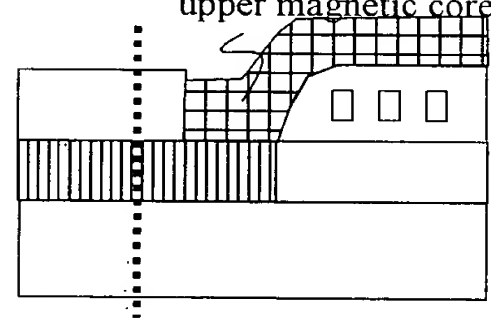
to develop

(g)

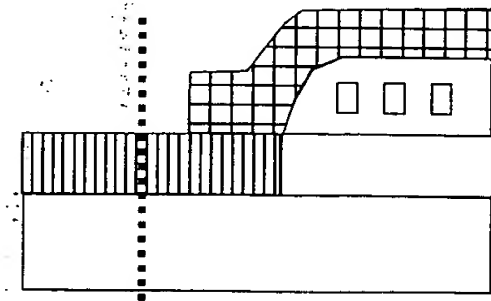


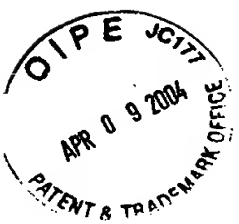
(h)

rear portion of an upper magnetic core



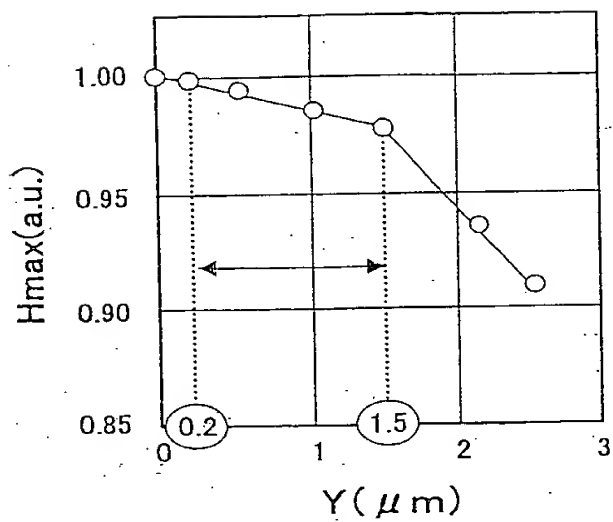
(i)





Sketch 1

Magnetic Field Intensity at ABS



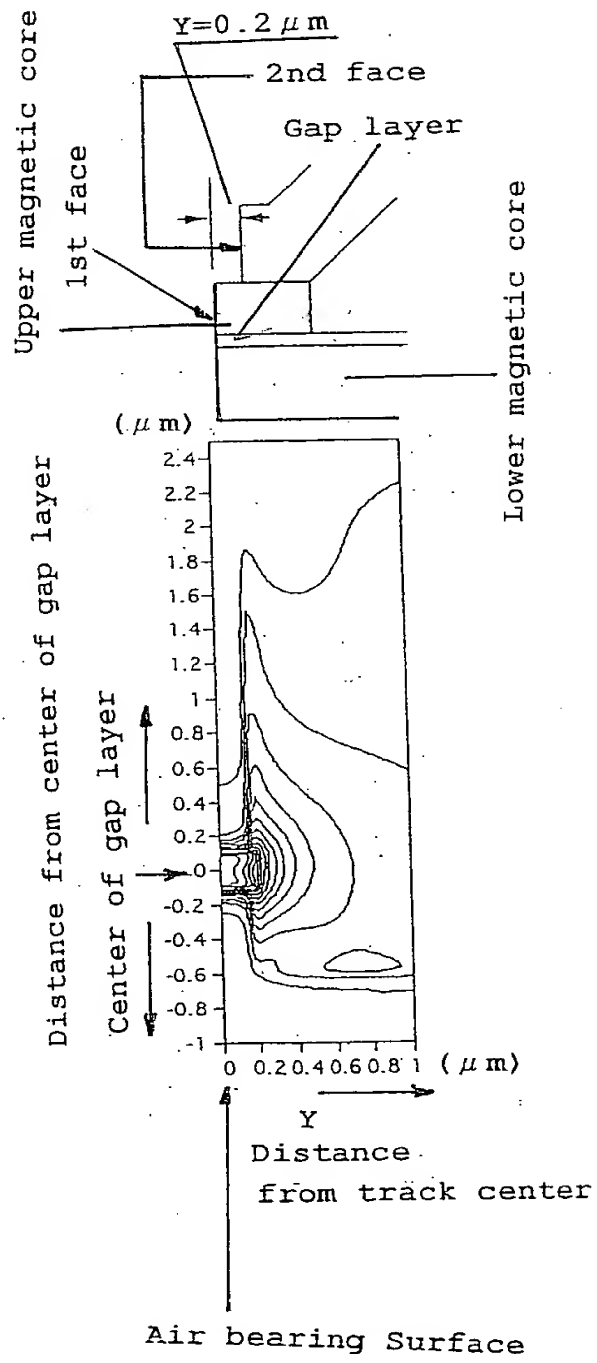
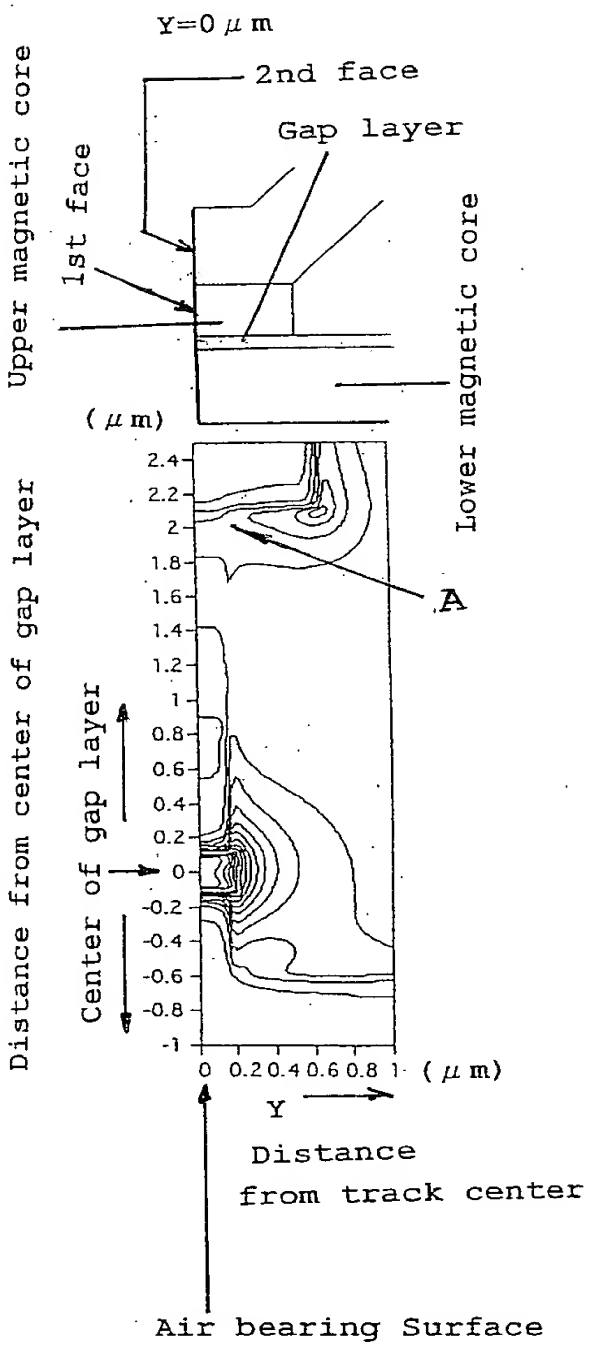
Distance between 1st face
and 2nd face



Contour Line of Magnetic Field
at A Tip of Magnetic Core

Sketch 2A

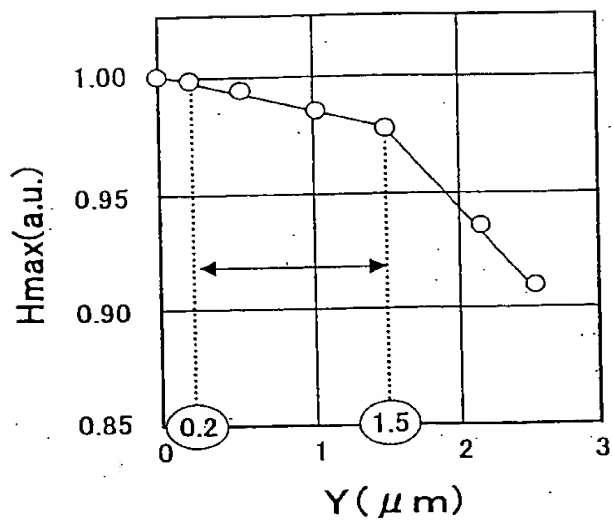
Sketch 2B





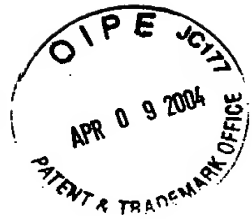
Sketch 1

Magnetic Field Intensity at ABS

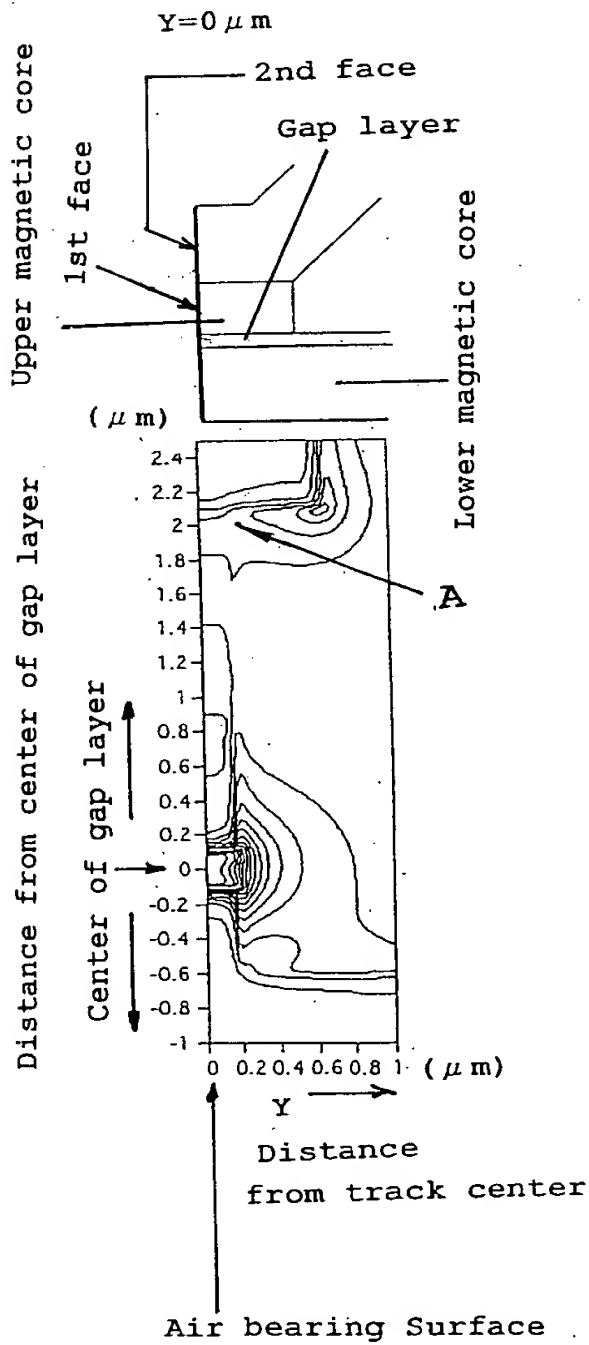


Distance between 1st face
and 2nd face

Contour Line of Magnetic Field at A Tip of Magnetic Core



Sketch 2A



Sketch 2B

